

=====

Sequence Listing was accepted.

If you need help call the Patent Electronic Business Center at (866) 217-9197 (toll free).

Reviewer: Durreshwar Anjum

Timestamp: [year=2008; month=3; day=10; hr=15; min=9; sec=28; ms=749;]

=====

Application No: 10591812 Version No: 1.0

Input Set:

Output Set:

Started: 2008-02-26 17:52:53.257
Finished: 2008-02-26 17:52:53.556
Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 299 ms
Total Warnings: 3
Total Errors: 0
No. of SeqIDs Defined: 3
Actual SeqID Count: 3

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)

SEQUENCE LISTING

<110> KALLMEIER, Robert
REISS, Gilles
GAY, Robert
KALWY, Stephan

<120> METHOD FOR PRODUCING ANTIBODIES

<130> 2006_1236A

<140> 10591812
<141> 2008-02-26

<150> PCT/EP2005/002538
<151> 2005-03-10

<150> US 60/551,353
<151> 2004-03-10

<150> US 60/554,914
<151> 2004-03-22

<150> US 60/600,775
<151> 2004-08-12

<160> 3

<170> PatentIn version 3.3

<210> 1
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> localization/retention signal

<400> 1

Pro Ser Asp Ser Glu Glu Asp Glu Gly
1 5

<210> 2
<211> 38
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic construct

<400> 2

Arg Arg Lys Arg Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly
1 5 10 15

Gly Gly Ser Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly
20 25 30

Gly Ser Arg Arg Lys Arg
35

<210> 3
<211> 9831
<212> DNA
<213> Artificial sequence

<220>
<223> Synthetic construct

<400> 3
ggtgaccgtg ccctccagca gcttgggcac gaagacctac acctgcaacg tagatcacaa 60
gcccagcaac accaagggtgg acaagagagt tggtgagagg ccagcacagg gagggaggg 120
gtctgctgga agccaggctc agccctctg cctggacgca ccccggtgt gcagccccag 180
cccagggcag caaggcatgc cccatctgtc tcctcacccg gaggcctctg accacccac 240
tcatgctcag ggagagggtc ttctggattt ttccaccagg ctccggcag ccacaggctg 300
gatgcccta ccccaggccc tgcgcataca ggggcaggtg ctgcgctcag acctgccaag 360
agccatatcc gggaggaccc tgccctgac ctaagccac cccaaaggcc aaactctcca 420
ctccctcagc tcagacacct tctctctcc cagatctgag taactccaa tcttctct 480
gcagagtcca aatatggtcc cccatgccca tcatgcccag gtaagccac ccaggcctcg 540
ccctccagct caaggcggga caggtgccct agagtagcct gcatccaggg acaggcccc 600
gcccgggtgct gacgcattca cctccatctc ttccctcagca cctgagttcc tggggggacc 660
atcagtcttc ctgttccccc caaaaacccaa ggacactctc atgatctccc ggacccctga 720
ggtcacgtgc gtgggggtgg acgtgagcca ggaagacccc gaggtccagt tcaactggta 780
cgtggatggc gtggaggtgc ataatgccaa gacaaagccg cgggaggagc agttcaacag 840
cacgtaccgt gtggtcagcg tcctcaccgt cctgcaccag gactggctga acggcaagga 900
gtacaagtgc aaggcttcca acaaaggcct cccgtcctcc atcgagaaaa ccatctccaa 960
agccaaagggt gggacccacg gggtgcgagg gccacatgga cagaggtcag ctggccac 1020
cctctgccc gggagtgacc gctgtccaa cctctgtccc tacagggcag ccccgagagc 1080
cacaggtgta caccctgccc ccatcccagg aggagatgac caagaaccag gtcaagcctga 1140

cctgccttgtt caaaggcttc taccggcagcg acatcgccgt ggagtgggag agcaatgggc 1200
agccggagaa caactacaag accacgcctc ccgtgctgga ctccgacggc tccttcttcc 1260
tctacagcag gctaaccgtg gacaagagca ggtggcagga gggaaatgtc ttctcatgtc 1320
ccgtgatgca tgaggctctg cacaaccact acacacagaa gagcctctcc ctgtctctgg 1380
gtaaaatgaga attcattgtat cataatcagc cataccacat ttgttagaggt tttacttgct 1440
ttaaaaaacc tcccacacct cccccctgaac ctgaaacata aaatgaatgc aattgttgtt 1500
gttaacttgt ttattgcagc ttataatggt tacaataaaa gcaatagcat cacaatttc 1560
acaataaaag cattttttc actgcattct agttgtgggt tgccaaact catcaatgt 1620
tcttatcatg tctggatcca tattcgcccc catcacggc gccacaggtg cggttgctgg 1680
cgccatatatc gccgacatca ccgatgggg agatcggtt ccgcacttcg ggctcatgag 1740
cgcttggttc ggctgggta tgggtggcagg cccctggcc gggggactgt tggggccat 1800
ctccttgcattt gcaccattcc ttggggccggc ggtgctcaac ggccctcaacc tactactgg 1860
ctgcttccata atgcaggagt cgccataaggg agagcgtcga cctcgcccg cggttgctggc 1920
gtttttccat aggctccgcc cccctgacga gcatcacaaa aatcgacgtt caagtcaagag 1980
gtggcgaaac ccgacaggac tataaagata ccaggcggtt cccctggaa gctccctcg 2040
gcgccttcgtt gttccgaccc tgccgcttac cgatcacgt tccgccttc tcccttcggg 2100
aagcgtggcg ctttctcata gtcacgtcg taggtatctc agttcggtgt aggtcggtcg 2160
ctccaaagctg ggctgtgtgc acgaaccccc cgttccggcc gaccgctgctg cttatccgg 2220
taactatcgt ttgagtcaccccgtaag acacgactta tcgcccactgg cagcagccac 2280
tggtaacagg attagcagag cgaggtatgt aggcgggtct acagagtct tgaagtgggt 2340
gcctaactac ggctacacta gaagaacagt atttggtac tgcgtctgc tgaagccagt 2400
taccttcgga aaaagagttt gtagctcttgc atccggcaaa caaaccacccg ctggtagccgg 2460
tggttttttt gtttgcaccc agcagattac ggcgcggaaa aaaggatctc aagaagatcc 2520
tttgcatttt tctacgggggt ctgacgctca gtggaaacggaa aactcacgtt aagggtttt 2580
ggtcgtgaga ttatcaaaaa ggttccac ccgtatcctt ttaaattttt aatgtttttt 2640
taaatcaatc taaagtatat atgagtaaac ttgggtctgac agttaccaat gcttaatcag 2700
tgaggcacct atctcagcga tctgtctatt tcgttcatcc atagttgcgt gactccccgt 2760
cgtgttagata actacgatac gggagggctt accatctggc cccagtgcgtt caatgtatcc 2820
gcgagaccca cgctcaccgg ctccagattt atcagcaata aaccagccag ccggaaaggcc 2880

cgagcgcaga agtggtcctg caactttatc cgccctccatc cagtctatta attgttgccg 2940
ggaagctaga gtaagttagtt cgccagttaa tagttgcgc aacgttgtt ccattgtac 3000
aggcatcggt gtgtcacgct cgtcggttgg tatggcttca ttcaagctccg gttcccaacg 3060
atcaaggcga gttacatgtatccccatgtt gtgcaaaaaa gcggtagct cttcggtcc 3120
tccgatcggtt gtcagaagta agttggccgc agtgttatca ctcatggta tggcagcact 3180
gcataattct cttactgtca tgccatccgt aagatgttt tctgtgactg gtgagtactc 3240
aaccaagtca ttctgagaat agtgtatgcg gcgaccgagt tgctcttgcc cggcgtcaat 3300
acgggataat accgcgccac atagcagaac tttaaaagtg ctcatcattt gaaaacgttc 3360
ttcggggcga aaactctcaa ggatcttacc gctgttgaga tccagttcga tgtaaccac 3420
tcgtgcaccc aactgatctt cagcatctt tactttcacc agcgttctg ggtgagcaaa 3480
aacaggaagg caaatgccg caaaaaagg aataaggcg acacggaaat gttgaatact 3540
catactcttc cttttcaat attattgaag catttatcag gtttattgtc tcatgagcgg 3600
atacatattt gaatgtattt agaaaaataa acaaataagg gttccgcga cattccccg 3660
aaaagtgccca cctgacgtct aagaaaaccat tattatcatg acattaacct ataaaaatag 3720
gcgtatcacf aggcctgtat ggctcttgc ggcaccatc gtctgtatg ttccgtggca 3780
ccgaggacaa ccctcaagag aaaatgtat cacactggct caccccccggg tgggccttc 3840
tgcgttata aggagacact ttatgtttaa gaaggtggc aaattccttgc cggctttggc 3900
agccaagcta gatccggctg tggaaatgtgt gtctgttggc gtgtggaaag tccccaggct 3960
ccccagcagg cagaagtatg caaagcatgc atctcaatta gtcagcaacc aggtgtggaa 4020
agtccccagg ctccccagca ggcagaagta tgcaaaagcat gcatctcaat tagtcagcaa 4080
ccatagtccc gcccctaact ccgccttaccc cgcccttaac tccgccttgc tccgccttgc 4140
ctccggccca tggctgacta attttttta tttatgcaga gggcgaggcc gcctcgccct 4200
ctgagctatt ccagaagtag tgaggaggct ttttggagg cctaggctt tgcaaaaaagc 4260
tagctgggg ccaccgctca gagcacccatc caccatggcc acctcagcaa gttccactt 4320
gaacaaaaac atcaagcaaa tgtacttgcg cctgccccag ggtgagaaag tccaaaggcat 4380
gtatatctgg gttgatggta ctggagaagg actgcgtgc aaaacccgca ccctggactg 4440
tgagcccaag tgtgtagaag agttacctga gtggatattt gatggctcta gtaccttca 4500
gtctgagggc tccaaacagtg acatgtatct cagccctgtt gccatgtttc gggacccctt 4560

cgcagagat cccacaagg tgggtttctg tgaagtttc aagtacaacc ggaagcctgc 4620
agagaccaat ttaaggcact cgtgtaaacg gataatggac atggtgagca accagcaccc 4680
ctggtttsga atggaacagg agtatactct gatggaaaca gatggcacc ctgggttg 4740
gccttccaat ggcttcctg ggccccaaagg tccgtattac tgtggtgtgg gcgcagacaa 4800
agcctatggc agggatatcg tggaggctca ctaccgcgcc tgcttgatg ctggggtcaa 4860
gattacagga acaaatgctg aggtcatgcc tgcccagtgg qaactccaaa taggaccctg 4920
tgaaggaatc cgcatggag atcatctctg ggtggccgt ttcatcttgc atcgagtatg 4980
tgaagacttt gggtaatag caaccttga ccccaagccc attcctggg actggatgg 5040
tgcaggctgc cataccaact ttagcaccaa gccatgcgg gaggagaatg gtctgaagca 5100
catcgaggag gccatcgaga aactaagcaa gcggcaccgg taccacattc gagcctacga 5160
tcccaagggg ggcctggaca atgcccgtgg tctgactggg ttccacgaaa cgtccaaacat 5220
caacgacttt tctgctggtg tgc当地atcg cagtgc当地 atccgc当地 cccggactgt 5280
cgcccaggag aagaaaggaa actttgaaga ccgc当地ccccc tctgccaatt gtgaccctt 5340
tgcagtgaca gaagccatcg tccgc当地atg cttctcaat gagactggcg acgagccctt 5400
ccaatacaaa aactaattag actttgagtg atcttgagcc tttcctagtt catcccaccc 5460
cgccccagag agatcttgcgaaatggaccc tacttctgtg gtgtgacata attggacaaa 5520
ctacctacag agattnaaatg ctctaaggta aatataaaat ttttaagtgt ataatgtgtt 5580
aaactactga ttcttaattgt ttgtgttattt tagattccaa cctatggAAC tggatgg 5640
gagcagtggt ggaatgcctt taatgaggaa aacctgtttt gctcagaaga aatgccatct 5700
agtgtatgtg aggctactgc tgactctcaa cattctactc ctccaaaaaa gaagagaaag 5760
gtagaagacc ccaaggactt tc当地tccagaa ttgctaagtt ttttgagtca tgctgtgttt 5820
agtaatagaa ctcttgcttg ct当地tgc当地 tacaccacaa aggaaaaagc tgcactgcta 5880
tacaagaaaa ttatggaaaa atattctgtaa acctttataa gtaggcataa cagttataat 5940
cataacatac tgttttct tactccacac aggcatagag tgtctgctat taataactat 6000
gctcaaaaaat tgtgtacctt tagctttta atttgtaaag gggtaataa ggaatatttg 6060
atgtataatgt ctttgacttag agatcataat cagccatacc acatttgc当地 aggtttact 6120
tgctttaaaa aacctccac acctccccctt gaaacctgaaa cataaaatga atgcaattgt 6180
tgggttaac ttgttattt cagcttataa tggttacaaa taaagcaata gcatcacaaa 6240
tttccacaaaat aaagcatttt tttcactgca ttctagttgt ggttgc当地 aactcatcaa 6300

tgtatcttat catgtctgga tctctagctt cgtgtcaagg acggtgactg cagtgaataa 6360
taaaatgtgt gtttgtccga aatacgcgtt ttgagatttc tgtcgccgac taaattcatg 6420
tcgcgcgata gtgggtttta tcgcccata agatggcgat attggaaaaa tcgatatttg 6480
aaaatatggc atattgaaaa tgtcgccat gtgagttct gtgtaactga tatcgccatt 6540
tttccaaaag tgattttgg gcatacgcga tatctggcga tagcgcttat atcgttacg 6600
ggggatggcg atagacgact ttggtgactt gggcgattct gtgtgtcgca aatatcgac 6660
tttcgatata ggtgacagac gatatgaggg tatatcgccg atagaggcga catcaagctg 6720
gcacatggcc aatgcataatc gatctataca ttgaatcaat attggccatt agccatatta 6780
ttcattgggtt atatacgata aatcaatatt ggctattggc cattgcatac gttgtatcca 6840
tatcataata tgtacattta tattggctca tgtccaacat taccgccccatg ttgacattga 6900
ttattgacta gttatataata gtaatcaatt acggggcat tagttcatag cccatataatg 6960
gagttcccgcg ttacataact tacggtaaat ggccgcctg gctgaccgccc caacgacccc 7020
cgcccatatga cgtcaataat gacgtatgtt cccatagtaa cgccaatagg gactttccat 7080
tgacgtcaat gggtgagta ttacggtaa actgcccact tggcagtaca tcaagtgtat 7140
catatgccaa gtacgcccc tattgacgtc aatgacggta aatggccccgc ctggcattat 7200
gcccagtaca tgaccttatg ggactttcct acttggcagt acatctacgt attagtcatc 7260
gctattacca tggtgatgcg gttttggcag tacatcaatg ggcgtggata gcggtttgac 7320
tcacggggat ttccaagtct ccacccatt gacgtcaatg ggagttgtt ttggcaccaa 7380
aatcaacggg actttccaaa atgtcgtaac aactccgccc cattgacgca aatggcggt 7440
aggcgtgtac ggtgggaggt ctatataagc agagctcggt tagtgaaccg tcagatcgcc 7500
tggagacgccc atccacgctg tttgacctc catagaagac accgggacccg atccagccctc 7560
cgccggccggg aacggtgcat tggAACGCGG attccccgtg ccaagagtga cgtaagtacc 7620
gcctatagag tctataggcc caccccttg gcttcttatg catgctatac tgggggttggc 7680
tgggggtcta tacaccccg cttcctcatg ttataggtga tggtagtacgt tagcctatac 7740
gtgtgggtta ttgaccatta ttgaccactc ccctattggt gacgataactt tccattacta 7800
atccataaca tggcttttg ccacaactct ctttattggc tataatgccaa tacactgtcc 7860
ttcagagact gacacggact ctgtatTTT acaggatggg gtctcattta ttatTTTaca 7920
attcacatataca acaacaccac cgtccccagt gcccgcagtt tttatTTAac ataacgtggg 7980

atctccacgc gaatctcggt tacgtgttcc ggacatggc tcttctccgg tagcggcgga 8040
gcttctacat ccgagccctg ctccccatgcc tccagcgact catggtcgct cggcagctcc 8100
ttgctctaa cagtggaggc cagacttagg cacagcacga tgcccaccac caccagtgtg 8160
ccgcacaagg ccgtggcggt agggtatgtg tctgaaaatg agctggggga gcgggcttgc 8220
accgctgacg catttggaaag acttaaggca gcccagaag aagatgcagg cagctgagtt 8280
tttgtgttct gataagagtc agaggtaact cccgttgcgg tgctgttaac ggtggaggc 8340
agtgtagtct gagcagtaact cggtgtgcc ggcgcgcaca ccagacataa tagctgacag 8400
actaacagac tgttccttcc catgggtctt ttctgcagtc accgtccttg acacgaagct 8460
tgccgcacc atgagtgtgc ccactcaggt cctggggttg ctgctgtgt ggcttacaga 8520
tgccagatgt gacatccaga tgactcagtc tccagcctcc ctatctgtat ctgtgggaga 8580
aactgtcacc atcacatgtc gagcaagtga gaatattac agtaatttag catggatatca 8640
acagaaaacag ggaaaatctc ctcagctctt ggtctatgct gcaacaaact tagcagatgg 8700
tgtgccatca aggttcagtg gcagtggtac gggcacacag tattccctca agatcaacag 8760
cctgcagtcgta gaagattttg ggagtttatta ctgccaacat ttttggggta ctccgtacac 8820
tttcggaggg gggaccaggc tggaaataaa acgtacggtg gctgcaccat ctgtttcat 8880
cttcccgcca tctgtatggc agttgaaatc tggaaactgcc tctgttgtgt gcctgctgaa 8940
taacttctat cccagagagg ccaaagtaca gtggaaagggtg gataacgccc tccaatcggt 9000
taactcccag gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag 9060
caccctgacg ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac 9120
ccatcagggc ctgagctcgc ccgtcacaaa gagttcaac aggggagagt gtagaaaaag 9180
aaggggaggg ggtggctctg gaggggggtgg ctctggaggg ggtggctctg gaggggggtgg 9240
ctctggaggg ggtggctctg gaggggggtgg ctctagagaa aaaagacagg tttagtgcac 9300
gcagtctgac gctgagttgg tggaaacctgg ggcttcagtg aagatatcct gcaaggcttc 9360
tggctacacc ttcaactgacc atgctattca ctggggcgaag cagaagcctg aacaggcct 9420
ggaatggatt ggatatattt ctcccgaaa tggatgtatattt aagtacaatg agaagttcaa 9480
gggcaaggcc acactgactg cagacaaatc ctccagcact gcctacatgc agctcaacag 9540
cctgacatct gaggattctg cagtgttattt ctgtaaaaga tcgtactacg gccactgggg 9600
ccaaggcacc actctcacag tctcctcagc ctccaccaag ggcccatccg tcttccccct 9660
ggcgccctgc tccaggagca cctccgagag cacagccgccc ctgggtgcg tggtaagga 9720

ctacttcccc gaaccggta cggtgtcgta gaactcaggc gccctgacca gcggcggtca 9780

caccttcccc gctgtcctac agtcctcagg actctactcc ctcaagcagcg t 9831